

WHAT IS CLAIMED IS:

1. An information processing apparatus which processes data input through a coordinate input device, comprising:

detecting means which detects the sampling rate of the coordinate input device; and

standardizing means which standardizes writing data which is input through the coordinate input device based on the sampling rate detected by said detecting means.

2. An information processing apparatus according to Claim 1, wherein the standardized writing data generated from said standardizing means is used for signature authentication.

3. An information processing apparatus according to Claim 1, wherein the standardized writing data generated from said standardizing means is used for handwritten character recognition.

4. An information processing apparatus according to Claim 1, wherein the standardized writing data generated from said standardizing means is used as a stroke database.

5. An information processing apparatus according to

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Claim 1, wherein the standardized writing data from said standardizing means is used as the output for the writing data which is input through the coordinate input device.

6. An information processing apparatus according to Claim 1, wherein said standardizing means decimates a group of points in stroke data generated from the writing data based on the sampling rate.

7. An information processing apparatus according to Claim 1, wherein said standardizing means interpolates a group of points in stroke data generated from the writing data based on the sampling rate.

8. An information processing apparatus according to Claim 1, wherein said detecting means includes display means which displays a graphical pattern for sampling rate detection on an input screen of the coordinate input device.

9. An information processing apparatus according to Claim 1, further comprising transmitting means which transmits the standardized writing data to a verification server for signature verification.

10. A verification server linked to an information

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processing apparatus having different coordinate input means over a network, comprising:

receiving means which receives standardized writing data, the standardized writing data being made by standardizing, before transmitting, writing data which is input through the coordinate input means in the information processing apparatus based on the sampling rate of the coordinate input means; and

signature verifying means which performs signature verification based on the standardized writing data received by said receiving means.

11. An information processing method of processing data input through a coordinate input device, comprising the steps of:

detecting the sampling rate of the coordinate input device; and

standardizing writing data which is input through the coordinate input device based on the sampling rate detected in said detecting step.

12. An information processing method according to Claim 11, wherein the standardized writing data generated in said standardizing step is used for signature authentication.

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13. An information processing method according to Claim 11, wherein the standardized writing data generated in said standardizing step is used for handwritten character recognition.

14. An information processing method according to Claim 11, wherein the standardized writing data generated in said standardizing step is used as a stroke database.

15. An information processing method according to Claim 11, wherein the standardized writing data in said standardizing step is used as the output for the writing data which is input through the coordinate input device.

16. An information processing method according to Claim 11, wherein said standardizing step includes decimating a group of points in stroke data generated from the writing data based on the sampling rate.

17. An information processing method according to Claim 11, wherein said standardizing step includes interpolating a group of points in stroke data generated from the writing data based on the sampling rate.

18. An information processing method according to

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Claim 11, wherein said detecting step includes the step of displaying a graphical pattern for sampling rate detection on an input screen of the coordinate input device.

19. An information processing method according to Claim 11, further comprising the step of transmitting the standardized writing data to a verification server for signature verification.

20. A verification method of performing signature verification on standardized writing data which is input from an information processing apparatus having different coordinate input means over a network, comprising the steps of:

receiving standardized writing data, the standardized writing data being made by standardizing writing data which is input through the coordinate input means in the information processing apparatus based on the sampling rate of the coordinate input means, and the standardized writing data being transmitted over a network; and

performing signature verification based on the standardized writing data received in said receiving step.

21. A computer-readable memory having information processing program code to process data which is input from

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a coordinate input device, the program code including the steps of:

detecting the sampling rate of the coordinate input device; and

standardizing writing data which is input through the coordinate input device based on the sampling rate detected in said detecting step.

22. A computer-readable memory having a verification program for performing signature verification on standardized writing data which is input from an information processing apparatus having different coordinate input means over a network, the program including the steps of:

receiving standardized writing data, the standardized writing data being made by standardizing writing data which is input through the coordinate input means in the information processing apparatus based on the sampling rate of the coordinate input means, and the standardized writing data being transmitted over a network; and

performing signature verification based on the standardized writing data received in said receiving step.

23. A program having program code which allows an information processing apparatus to execute an information process of processing data which is input from a coordinate

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input device, the program code including the steps of:

detecting the sampling rate of the coordinate input device; and

standardizing writing data which is input through the coordinate input device based on the sampling rate detected in said detecting step.

24. A verification program for performing signature verification on standardized writing data which is input from an information processing apparatus having different coordinate input means over a network, the program including the steps of:

receiving standardized writing data, the standardized writing data being made by standardizing writing data which is input through the coordinate input means in the information processing apparatus based on the sampling rate of the coordinate input means, and the standardized writing data being transmitted over a network; and

performing signature verification based on the standardized writing data received in said receiving step.

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